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Index Terms—Parallel sorting, distributed-memory algorithms, High-Performance

Computing. of selecting just one target, an element of **global rank** r.

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global ranking is derived from the work of Abah, Ozgunw, and Bataineh ... When **sorting** fixed-size records, the samples contain only the **key values** copied ...

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[Load Balanced Sort on Hypercube Multiprocessors - Distributed ...](#)

Parallel **sorting** algorithms for **distributed memory** hypercube multiprocessors were gives its **global rank**, hence its position in the final sorted list L[1 Each of the p **values** in any given node is addressed to a different node.

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[0008]When the processors of the **distributed memory** type system access to the a **ranking of values** in the **global** ordered set GOrd is used as the **sort** ...

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distributed memory multiprocessors. A simple version requires, with ... **global** communication rounds. Each communication round consists of routing a the **values** of k and the upper bound R on the number of communication rounds Hui Li, and K. C. Sevcik, "Parallel **Sorting** by Overpartitioning," in Proc. ACM ...

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[ORDERPACK 2.0 -- Unconditional, Unique, and Partial Ranking ...](#)

Jan 18, 2002 ... Finally, many fortran **sorting** or **ranking** routines do not take advantage ... Make extensive use of work arrays: **Memory** can be extended, time cannot. is about 10% slower in average for random uniformly **distributed values** ... for each **value** in the first so that the **global** correlation coefficient ...

[www.fortran-2000.com/rank/index.html](#) - Cached - Similar

[A Novel Parallel **Sorting** Algorithm for Contemporary Architectures](#)

Distributed memory architectures are widely in use today. In the context of the **sorting** problem, we want the p-1 elements of **global rank** d1 There are rk - f excess elements with **value** mm that should be routed to processor k.

[gauss.cs.ucsb.edu/~viral/PAPERS/psort/html/psort.html](#) - Cached - Similar

[Distributed memory type information processing system - Patent ...](#)

The invention relates to a **distributed memory** type arrangement, wherein elements ... local **sorting** means that generates a second **global value** number array, ...

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Emerald FullText Article : A fully-distributed parallel global ...
Since DIRECT only requires function **values** (or **ranking**) and balances **global** ... DIRECT is appropriate for the **sort** of **global** design space exploration done ... that will scale to thousands of processors (in a **distributed memory** machine). ...
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Our parallel implementation was designed to be executed in a **distributed memory** ...
Because of the **global sort** of the continuous attributes, a processor can ...
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